

FIRST CLASS MAIL



A Publication of
THE PHIL-MONT MOBILE RADIO CLUB, INC.
P.O. Box 88, Abington, PA 19001

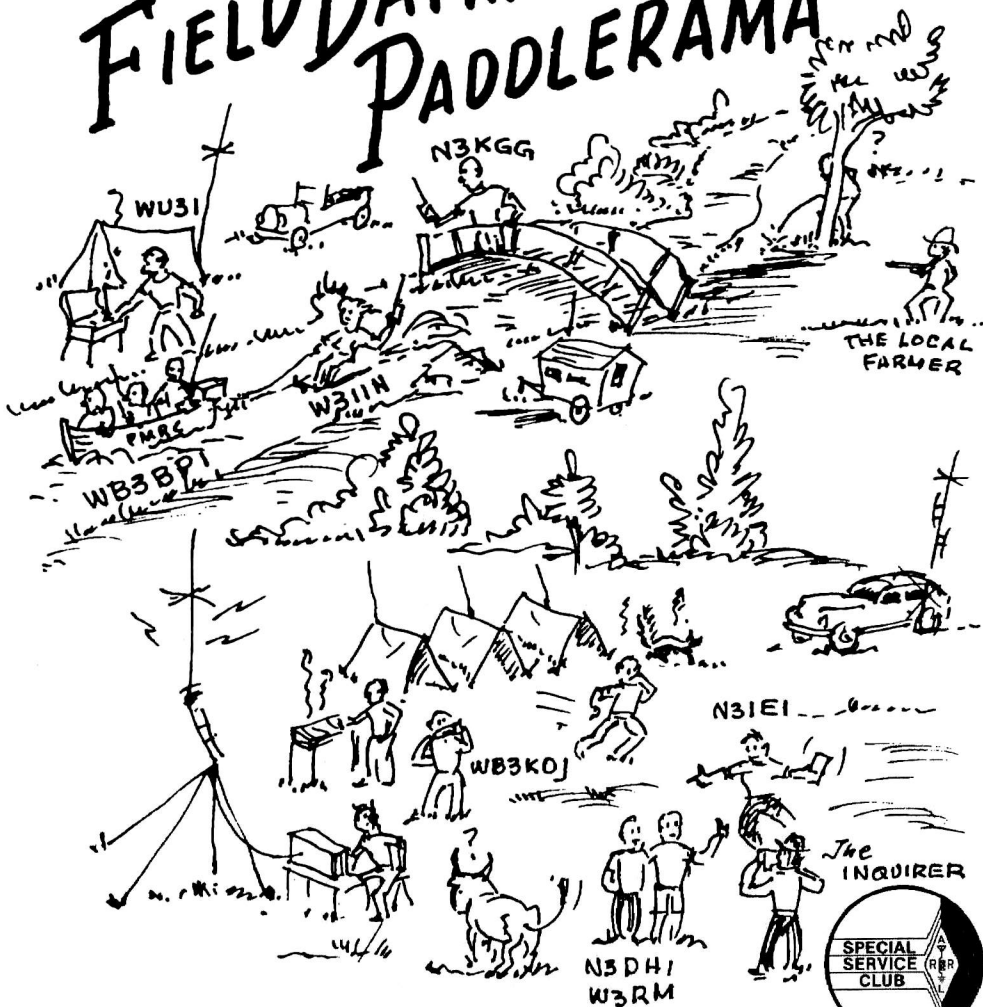
The Blurb



The Blurb

August 1994

FIELD DAY... PADDLERAMA



VOLUME 44

is published monthly by, and for, the members of **The PHIL-MONT MOBILE RADIO CLUB, INC.** whose purpose is to promote Amateur Radio in general, and Mobile Radio in particular. Copying and quoting is permitted with a credit line. We gladly exchange publications with other amateur radio clubs; requests should be sent to the Editor. *Blurb* subscriptions are available to nonmembers for \$10 addressed to the Treasurer. The club meets sometime after 7:30 p.m. on the first non-holiday WEDNESDAY of every month at **The Franklin Institute Science Museum**, Benjamin Franklin Parkway at 20th Street, Philadelphia. Enter from Winter Street, or the parking garage on 21st street.

ALL VISITORS ARE WELCOME!

Amateur Radio License Examinations - the first non-holiday Thursday of every month at The Franklin Institute Science Museum—doors close at 6:30 p.m. - *SHARP!*

CLUB INFORMATION

24-Hour Information Number at W3TKQ: **(215) 448-1139**

Repeater frequencies: 147.03 MHz (Roxboro input requires no PL, but outputs 91.5 Hz.)

PL required for off-site receiver (OSR) access:

Bucks County 131.8 Hz—Center City 103.5 Hz—Lansdale 114.8 Hz

444.80 MHz (186.2 Hz PL)

Simplex frequency: 147.51 MHz

Packet BBS frequency at W3TKQ: 144.99 MHz

Mailing Address: P.O. Box 88, Abington, PA 19001

STATIONS

W3QV - 147.03 MHz. Repeater - 8200 Ridge Avenue, Philadelphia, PA - Trustee W3BBB

W3TKQ - The Franklin Institute Science Museum, Philadelphia, PA - Trustee W3PWG

AMATEURS (with license) ARE ALWAYS WELCOME TO OPERATE W3TKQ.

OFFICERS

PRESIDENT: KB3IV, Ed Masarsky, 15 Poe Avenue, Wyncote, PA 19095 (215) 572-5238

1st VICE PRESIDENT: WU3I, Steve Hoch, 4638 Oakland Street, Philadelphia, PA 19124 (215) 535-8061

2nd VICE PRESIDENT: W3STW, Al Tribble, 2848 Carter Road, Trevoise, PA 19053 (215) 639-6771

SECRETARY: KE3CZ, Bob Wilcox, P.O. Box 21914, Philadelphia, PA 19124 (215) 535-7355

TREASURER: N3KGG, Dave Witkowski, 730 Greymont Street, Philadelphia, PA 19116 (215) 969-5485

DIRECTORS

W3BBB (94); N3FVI (94); AA3EP (95); W3IRS (95); W3IIM (A); K3KUD (A); W3RM (A)

COMMITTEES

Archives: W3IIM
Blurb Folding: WB3KOH&J
Budget / Audit: K3KUD
Directory: WB3KOJ
Education: AA3CH
Emerg. Coord.: W3BBB

Field Day: N3IEI
Membership: AA3BB
Net Control: KB3IV
Program: WU3I
Publicity: N3IEI
Refreshments: N3FVI

Repeater: W3BBB
Special Events: AA3EP
VE Program: ND3Q
TVI: W3VVS
W3TKQ: KB3IV
Welcome: NEEDED

Blurb STAFF

Editor: W3IIM, Jack Haring, 2113 Edgehill Drive, Furlong, PA 18925 (215) 794-7623

Artist: N3QIE

Labels: WB3KOJ

Publisher/Typist: W3IIM

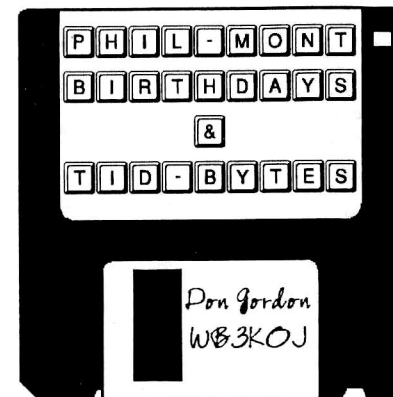
DEADLINE: To be assured of publication in the current month, all copy MUST be in the hands of the Editor at the Bored of Directors' Meeting!

NET SCHEDULE

SUNDAY	09:30	147.030	MHz FM	"SUNDAY MORNING 2 METER NET"
	10:00	28.993	MHz SSB	"10-ON-10 NET"
	10:20	3.993	MHz SSB	75 METER NET
TUESDAY	20:00	147.030	MHz FM	CW PRACTICE NET (RESUMES IN SEPT)
LAST WED	20:00	147.030	MHz FM	W3TKQ OPERATORS' NET

AUGUST BIRTHDAYS

- 01 Lee Pamplin - N3EKR
 - 02 Tom Bohlander - WA3KLR
 - 04 Harry Carl - W3KDO
George King - W3PXY
 - 05 Rollie Madara - W3PWG
Kitty Trout - KA3BDU (XYL W3IGW)
 - 07 Mike Errigo - WB3EQW
Kathie Rorick (XYL N3GEN)
 - 08 Joe Johnston - K3VXU
 - 09 Carolyn Popovic - KA3VLJ
 - 12 Ethel Cox (XYL K3TYB)
Maryann Errigo (XYL WB3EQW)
Joann Hoch - N3FTC
 - 14 Pat Mescanti (XYL WB3CMM)
 - 15 Mark Ackerman - WA3AUN
 - 18 Tom McLenahan - N3DBX
Gertrude Richenbach (XYL WE3D)
 - 19 Paul Iacuppucci - N3NNL
Donna Lynn Larkin - WA1WYQ (XYL KA2FFP*) for details.
 - 22 Hal Burks - KA3LCW
John Muroff - W3SAI
 - 25 Frank Whitten - K3TEF
 - 27 Ursula Garvin (XYL W3GRY)
Joanne Shoaf (XYL KA3NKT)
Conway Yee - N2JWQ
 - 28 Gordy Lusky - W3APD
Joan Peebles - N3HPV (XYL NZ3O)
 - 30 Paul Bohlander - W3VVS
- *Indicates New Member 1993-94*

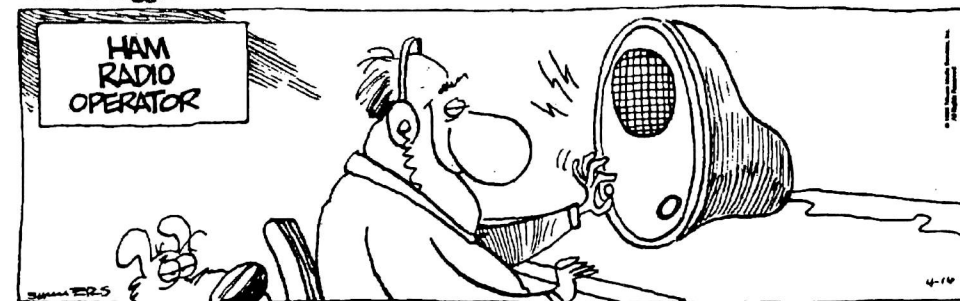
**HELP PHIL-MONT**

Are you planning to join ARRL or renew your current membership? Help P.M.R.C. by joining or renewing through the club, contact the Treasurer, Dave Witkowski, N3KGG

MEMBERSHIP STATS

At press time P.M.R.C. has:

- 164 FULL PAID MEMBERS
- 17 FAMILY MEMBERS
- 3 HONORARY MEMBERS
- 6 PENDING MEMBERS

Bound & Gagged

Philadelphia Inquirer via Ernie and WB3KOJ.

Hoooooray for Philadelphia!

Don Gordon, WB3KOJ

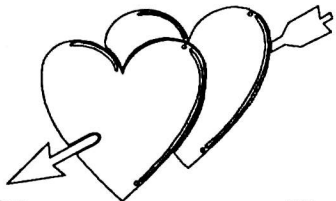
During the July 4th weekend, the new Pennsylvania Convention Center was open to the public. Natalie and I took advantage of the opportunity to play tourist in our own city. I am certainly glad we did!

The Convention Center is a "Rose among Thorns." The architecture, furnishings and appointments make it an outstanding addition to Philadelphia. Especially noteworthy is the converted train shed, the former axle of the city's commerce.

For those, like me, who spent many years catching the Chestnut Hill Local at the Reading Terminal, or the younger generation, like my daughter, who never knew about Philly's golden past, the transformation, with original integrity, is a sight that should be seen by all local residents.

Besides the convention center, the completely reconditioned Reading Terminal Market offers a glimpse back to an era when life was simpler, and in many ways nicer. The blending of smells, sights and sounds, plus the eclectic assortment of foods and crafts, makes the market a worthwhile trip.

If youse guys gots nutten to do on a summer Saturday, see Philadelphia... you might be surprised! ☺



Congratulations to Eunice and Paul Bohlander as they celebrate their 50th wedding anniversary on August 12!

PUBLIC SERVICE

Charlie Weigand, AA3EP

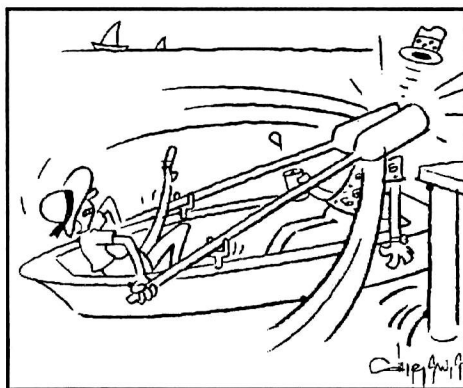


It's that time again, time for the largest two-day bike tour east of the Rocky Mountains!

This year it will be held on September 17 and 18, and we'll need nearly 130 operators. As in the past, we'll supply health and welfare communications along the route from Cherry Hill to Ocean City and back again.

If you're helping on a support vehicle, or along the route both days, and need a room in Ocean City, let me know ASAP because space is limited.

Please call me at (215) 324-0167 if you can help with the MS-150 City to Shore Bike Tour. ☺



W3IIN & W3IIM practicing for Paddlerama.

The PREZ SEZ

Ed Masarsky, KB3IV



I can't believe what I've been hearing lately on the repeater. "It's too hot." "It's too humid." "Oh, those terrible thunderstorms." Do I have to remind you of this past winter? Case closed!

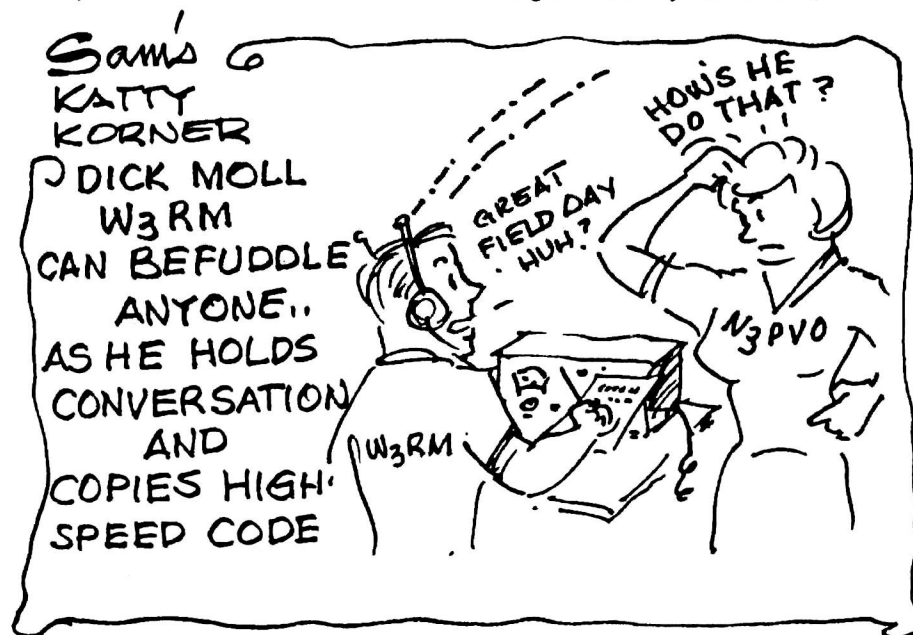
I really would rather be out doing something else instead of writing, so I'm going to keep this month's Prez Sez short.

I hope everyone is enjoying their summer and getting some relaxation. By the time you receive this issue, Sharon and I will be at our Cape Cod QTH. This year the radios and antennas are staying home—except for 2 meters (sorry Sharon).

I want to thank Steve, WU3I, for the great July program he put together. We all enjoyed seeing and hearing our old friends on 'Phil-Mont Does Dayton'. Both Steve and Joann did a terrific job putting together 'Phil-Mont Does Dayton II'. It will be a welcome addition to our archives. Are we there yet Steve?

I did say I would keep it short, so 73.

P.S. So I lied—but this is important. I'm sorry I won't be around to attend the August General meeting, but you will be. Please stop by for a great program, Packet Demo: Around the world on 2 meters, using 10 watts—by Bob Wilcox, KE3CZ. ☺



UPCOMING

**Aug 3 General Meeting Program:
Packet Demo: Around the World on
2-meters using 10 watts.
Bob Wilcox, KE3CZ**

**Aug 4 License Examinations at
The Franklin Institute**

**Aug 17 Directors' Meeting at
W3IIM&N's**

~~~~~

**Sept 1 License Examinations at  
The Franklin Institute**

**Sept 7 General Meeting Program:  
Slow-Scan TV  
Al Tribble, W3STW**

**Sept 21 Directors' Meeting**

## HAMFESTS

**Aug 7 WARRINGTON, PA  
Mid-Atlantic ARC**

**Aug 14 EASTON, PA  
Delaware Lehigh ARC**

**Aug 28 MULLICA HILL, NJ  
Gloucester County ARC**

**Sept 11 GAITHERSBURG, MD  
Foundation for Amateur Radio**

**Sept 18 PENNSAUKEN, NJ  
South Jersey RA**

**Sep 24-25 YORK, PA**

**Oct 2 WARRINGTON, PA  
Pack Rats**

**Oct 16 BENSALEM, PA  
Penn Wireless Association**

**Oct 23 SELLERSVILLE, PA  
RF Hill ARC**

## V.E. TEST LOCATIONS

Confirm all information, in advance, with the contact person. Licensed applicants must bring the original, and one photocopy of their license. All applicants, including children, must present positive ID. Also bring the original, and a copy, of any Certificate of Successful Completion needed to prove current status. **The ARRL VEC's 1994 test fee is \$5.75; there is no charge for a Novice test.**

### • The FRANKLIN INSTITUTE

Monthly, 1st Thursday—Dusty Rhoads, ND3Q  
(215) 879-0505 day, (215) 482-0386 home

### • BELLMAWR, NJ

Monthly, 3rd Thursday—Bill Helmatag  
(609) 546-7710

### • BRYN MAWR

Irregularly—Bob Lees  
(215) 265-6032

### • LEVITTOWN

Monthly, 1st Saturday—George LeNoir, WR3B  
(215) 943-4886

### • LINWOOD, PA—(Commercial & Amateur Exams.)

Quarterly—Barb Levine, AA3DV  
(215) 859-9210, (302) 792-7760 home

### • MORRISVILLE

Monthly, 3rd Thursday—Dave Munson, NM3K  
(215) 788-7515

### • POTTSTOWN

Monthly, 1st Monday—Warren Erdman K3ZXQ  
(215) 679-5764

### • TELFORD

Monthly, 3rd Monday—Warren Erdman K3ZXQ  
(215) 679-5764

### • UNIVERSITY OF PA

Monthly, Last Saturday—Garrett Klein, WZ3G  
(215) 898-8538 shack, (215) 222-8752 home

### • WARMINSTER

Odd Months, Last Wed.—Tom Michaud, WA3TQJ  
(215) 343-3494

### The Gettysburg Address

(which is not printed on the new 610 forms)

Federal Communications Commission  
1270 Fairfield Road  
Gettysburg, PA 17325

## PUBLIC SERVICE EVENTS

Charlie Weigand, AA3EP (215) 324-0167  
Sept 17-18 M.S. 150 City-to-Shore Bike Tour

# 106db997

Let's talk about our 45th anniversary for a moment.

Suddenly we begin to hear from club members disagreeing with the BOD's decision (albeit a last-minute one) to combine the celebration with a souped-up Ol' Timers' Night meeting. I'm not happy with the (in)decision, but I don't remember hearing anyone else in the club say one iota about it until now. And now it's too late guys. You had your chance starting more than a year ago. Witness...

### April 1993 mid-month meeting (M<sup>3</sup>):

I first brought up the subject, suggesting that we start to plan a celebration or banquet worthy of the club's stature and longevity.

**July '93 M<sup>3</sup> minutes:** "W3IIM again reminded the Board that 1994 is the 45th anniversary."

**December '93 M<sup>3</sup>:**—mentioned again under 'new business'.

**January '94 Prez Sez:**—mentioned.

**April '94 M<sup>3</sup>:**—mentioned again under 'new business'.

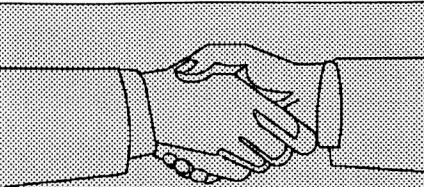
**May '94:** *Blurb* included a full-page questionnaire regarding club jackets and asked for suggestions for the 45th celebration. *One response was received.*

**May '94 M<sup>3</sup> minutes:** "... KB3IV will try to combine with Ol' Timers' Night."

My thanks to Steve, WU3I, for trying to rescue this whole mess, but at this late date, the remaining available dates were not acceptable to the Board.

Perhaps next time someone will step forward to take the responsibility to make it happen... sort of like the way we threw together, on much shorter notice, this year's successful Paddlerama and Field-Day operations.

It's your club folks. Vote, volunteer and get involved, or sit down, and be quiet.  
W3IIM



## NEW MEMBER APPLICATIONS

|                        |                                                          |
|------------------------|----------------------------------------------------------|
| <b>CALL:</b>           | <b>KD3MT</b>                                             |
| <b>NAME:</b>           | <b>Frank Mastrogiovanni</b>                              |
| <b>HANDLE:</b>         | <b>Frank</b>                                             |
| <b>CLASS:</b>          | <b>Advanced</b>                                          |
| <b>ADDRESS:</b>        | <b>9714 Beacon Street<br/>Philadelphia, PA<br/>19115</b> |
| <b>HOME PHONE:</b>     | <b>(215) 671-1179</b>                                    |
| <b>BUSINESS PHONE:</b> |                                                          |
| <b>OCCUPATION:</b>     | <b>Retired</b>                                           |
| <b>INTERESTS:</b>      |                                                          |

|                        |                                                          |
|------------------------|----------------------------------------------------------|
| <b>CALL:</b>           | <b>N2WHO</b>                                             |
| <b>NAME:</b>           | <b>Joyce Nelson</b>                                      |
| <b>HANDLE:</b>         | <b>Joyce</b>                                             |
| <b>CLASS:</b>          | <b>Technician</b>                                        |
| <b>ADDRESS:</b>        | <b>1920 Locust Street<br/>Philadelphia, PA<br/>19102</b> |
| <b>HOME PHONE:</b>     | <b>(215) 731-9147</b>                                    |
| <b>BUSINESS PHONE:</b> | <b>(215) 241-2602</b>                                    |
| <b>OCCUPATION:</b>     | <b>Auditor</b>                                           |
| <b>INTERESTS:</b>      |                                                          |





which certificates are ordered.

#### Postage Guidelines

| Quantity | Postage | Envelope Size |
|----------|---------|---------------|
| 1-8      | 29¢     | #10           |
| 9-16     | 52¢     | #10           |
| 17-24    | 75¢     | 6" x 9"       |
| 25-32    | 98¢     | 6" x 9"       |

Please add 23¢ postage for each additional eight certificates.

Requests cannot be filled without proper postage.

Any request that is received without postage will be returned.

#### POCKET PATCHES

Temporary insignia to wear on the right pocket of the Scout uniform or on jackets/vests are available again for \$2.50 each, postpaid. Insignia will be available in limited quantity only, and will not be reordered when supplies are exhausted. ORDER EARLY.

PLEASE INCLUDE STATE SALES TAX ON ALL ORDERS.

Any request that is received without state sales tax will be returned.

Allow four weeks for delivery for all orders.



## GOODIES

Yaesu FT-747 10-160 transceiver  
Astron RS-20 20amp power supply  
SP-S external speaker w/audio filters  
Desk mike Yaesu, hand mike, manuals  
MFJ deluxe Versa Tuner II  
MFJ keyer/key  
Mosley rotate (sic) dipole 10-15-20  
All approximately 2-years old ..... \$790

Jerry Shoemaker, AA3EM  
610-353-4196 610-359-9088

**"DON'T TAILGATE... WAIT"—for the courtesy 🛎!**

Continued from page 5

tures, you're doing something right. [The spelling hasn't changed since our previous editor Woody—W3PST began spelling it that way in August 1985, and it's just as true now as it ever was. I guess we should be happy that Arnie reads his *Blurb* thoroughly once every 9 years! He's only the second person to ever mention it! Then again, perhaps he's the only other person that knows how it should be spelled!—ed]

50-50 was sold by N3GMH, selected by Brian Larkin, and won by Arnie—KC2HX. 'Guess that will keep you coming to meetings, right, Arnie?

#### OLD BUSINESS:

'BBB not being present...

WU3I reported on the success of Paddlerama, with an article to appear on the pages of this great newsletter.

KB3IV reported on Field Day for chairperson N3IEI, at this 534th General Meeting. He said that the Roxborough site was a good one, and the Phil-Mont crew did a respectable job, with hopes of even bettering it next year.

Last report... and this is not for children or those faint of heart... FLASH!!! Ed—KB3IV was actually caught toying with a computer... This may be shocking to some of you, so please, take a deep breath now.

The Meeting was then turned to WU3I with his movie productions.

At 9:35 p.m. the 534th Meeting was adjourned, see you next month for the 535th...🛎



## MINUTES

### JULY GENERAL MEETING

Bob Wilcox, KE3CZ, Secretary

The Tyrant, KB3IV, called the 534th, yes the 534th General Meeting to order at 7:55 p.m. Yes, that is also correct, the 534th meeting started late as usual.

The meeting took place in the old meeting area, in the 5th floor classroom. We used to meet there back around the 520th meeting, but this being the 534th meeting, it was like coming home again.

The Treasurer was called on, and AA3EP stood up. Charlie really should get the batteries fixed in that hearing aid. In any event, he reported for Dave, N3KGG. The club is still solvent, anyone needing paint removal should call Dave. A request (a plea) for all ARRL membership applications/renewals to be sent through the club was again sent out.

AA3BB for Membership: Bill reported that there were 5 new members to vote on, and also that he received a few applications.

KB3IV brought his Net Control report to the 534th General Meeting with the same zeal he does everything. (This guy could put a corpse to sleep). Still could use a few Net Control Stations, and the CW Practice Net is still on summer hiatus.

AA3EP, for Special Events, reported on the upcoming MS-150. Charlie is digging deep to get some help. This bike tour is from the city to the shore, and he would like to have numerous volunteers for this two-day event, even if you can only help out on one day.

KB3IV to report on W3TKQ at this fine 534th General Meeting, Drum Roll please... Quote the Prez, "Steve, do you have anything?" Of course Steve had something, he ALWAYS has something! WU3I reported that the Kenwood TS-450 was out for repairs, he is getting ready to do some needed antenna work, as well as the computer for slow-scan television is ready, but a VGA monitor is still needed. Ed reported that the Scouts will hold a Jamboree-on-the-Air on October 15-16, and that 'TKQ would be made available during operating hours for this event.

It was noted that the VE Sessions are still going strongly under the tutelage of Dusty—ND3Q. They take place at The Institute on the first non-holiday Thursday of each month. Also, the new General Theory Question Pool is being used since July 1st. Make sure your study guide reflects that it is valid until 1998.

N3NLR for Welcoming: There were 20 members and 7 guests attending the 534th General Meeting. The guest list included Maureen McCloskey, Brian Larkin, Tom Maresca, Bob Spanks, Jr.—WA1UCG, Scott O'Donnell, Joyce Nelson—N2WHO (who?) and Bob Dagit. Thanks to all for coming out.

Resident trouble shooter, KC2HX, noticed the way "Board" was spelled in the inside cover of the *Blurb* (Bored). Hey Jack, when they start reading it from cover to cover, even the pages without the pic-

Continued on page 20

## MINUTES

## JULY DIRECTORS' MEETING

Steve Hoch, WU3I, Acting Secretary

The Meeting commenced at 8:21 p.m. at the home of Bill-W3GQD. Also there were W3GQD, W3STW, N3FVI, W3BBB, AA3EP, K3KUD, WU3I, KB3IV, W3IIM & N, K3GNM and yours truly, KE3CZ.

First to be called on was not there, so Ed asked for a report from Jack on the *Blurb*, if you're reading this, then it's working.

Emergency Coordinator, W3BBB, still wanted to know when and where KB3IV wanted the next coordinated emergency.

KB3IV for N3IEI and the Field Day Team: Lots of contacts and plenty of points. The Field Day crew did a good job. See accompanying article.

WU3I for Paddlerama, reported on the return of a Phil-Mont tradition. There were 17 canoes, and a good time was had by all, even the drenched N3AXJ. An article about this event should also appear in this quality information tabloid.

W-3-S-T-W for AA3BB and the Membership Committee: Al read all of the pertinent information about the 5 applicants, and some of the impertinent information. They are... Timothy Newell-WB3DGT, Bill Hoffman-N3OOM, Bill Henry-N3RPZ, Dave Bonk-N3RUE and Bob Spanks-WA1UCG. WU3I made the motion to accept, W3BBB seconded it, there were no dissenting comments.

Net Controls were reported on by KB3IV, with all running smoothly.

WU3I reported on the upcoming programs, shocking me with the fact that I will be giving a packet demo at the next meet-

ing. Also, Al-W-3-S-T-W will be giving a slow scan television demo the following month. Thanks Steve!

A discussion, a long one at that, then took place with regards to this being the 45th year of PMRC, and how to do something a little special this year. Everything from a banquet to a wienie roast at 'BBB's was discussed. Finally a motion by KE3CZ to have a special selection and delicacies, with all of the accoutrements, (could also be spelled accouterments, for our Editor's behalf) should be purchased, and made available at this year's Ol' Timers' Night at the November General Meeting. WU3I seconded and the motion was passed.

'BBB reported on the repeater, and that the circuit that Bob-W3QZO was working on was completed. What circuit you ask?... well, the best way to become informed is to show up at a meeting.

AA3EP reported on the upcoming special event, the MS-150, on Sept. 17-18. Many volunteers are needed.

WU3I for Paddlerama: second time this meeting, same story as the General Meeting, and earlier here, read the article that should be printed soon in the *Blurb*. 'IIM did note that chef '3I did a good job, and Ed thanked him for his efforts.

It was discussed that in future budget meetings, special events will need to be addressed as a growing, and positive, issue.

KB3IV, W-3-S-T-W and WU3I all talked at great length about the antenna situation regarding acquiring a better ATV signal at W3TKQ.

The rest of us listened somewhat, and

lasting pen pal friendships and the exchange of photos, badges, pins, and patches. Specialized communications such as Slow Scan TV (SSTV) and Amateur TV (ATV) can give some the opportunity to see the other person. This year, many will have an opportunity to talk to others via Orbiting Satellite Carrying Amateur Radio (OSCAR). With the successful launching of six additional satellites in January 1990, at least one of the satellites should be in sight at all times. Other contacts will be made by way of Packet Radio, Radio Teletype (RTTY), and Earth-Moon-Earth (EME) contacts.

Look for K2BSA operating from Camp Wisdom in the Dallas, Texas, area, and the other stations operating as K2BSA/0, K2BSA/1, K2BSA/2, etc., from other parts of the United States. See how many you can contact. Also operating will be HB9S, the World Scout Bureau headquarters in Switzerland; T12C1E, the World Bureau Inter-American Region headquarters in Costa Rica; and GB2GP, Gilwell Park, England. Listen for other special call signs from many countries.

## WHO

Cub Scouts, Boy Scouts, Explorers, Girl Scouts, Scouters, former Scouts and Scouters, amateur radio operators; in fact, anyone interested in doing a Good Turn for Scouting and amateur radio can be involved in Jamboree-on-the-Air.

## WHEN

JOTA is from Saturday, October 15, 1994, at 0001 hours local time, to Sunday, October 16, at 2359 hours local time, though some activity flops over from Friday to Monday to take advantage of long distance (DX) time differences. It is always scheduled the third full weekend in October.

## WHERE

## JOTA Scout Frequencies

| Band     | SSB(phone)            | CW(Morse code) |
|----------|-----------------------|----------------|
| 80-meter | 3.740* & 3.940 MHz    | 3.590 MHz      |
| 40-meter | 7.090* & 7.290 MHz    | 7.030 MHz      |
| 20-meter | 14.290 MHz            | 14.070 MHz     |
| 17-meter | 18.140 MHz            | 18.080 MHz     |
| 15-meter | 21.360 MHz            | 21.140 MHz     |
| 12-meter | 24.960 MHz            | 24.910 MHz     |
| 10-meter | 28.990 & 28.350** MHz | 28.190 MHz     |

\* Not authorized to transmit in the United States (Region 2); however, you may listen.

\*\* For United States, to allow novices to participate in JOTA on the phone.

## HOW

Scouts, if you need help, contact an amateur radio operator or club. If you need assistance to find one, contact Club Services Department, American Radio Relay League, 225 Main Street, Newington, CT 06111. You also can put a notice in your local Council newsletter. Almost all councils have registered Scouters and Scouts who are amateur radio operators and would be glad to help you.

Radio amateurs, invite Scouts/Scouting units to your shack. If you do not know any, contact your BSA local council service center for the name of a Scouting unit leader in your area. Or, you or your radio club may volunteer to participate in a district or council camporee that weekend. Telephone books list council service centers under 'Boy Scouts of America.' Call "CQ JAMBOREE" or respond to such calls. Observe all FCC regulations. Consider a Foxhunt for more fun. Call your BSA local council service center if you can help.

Share this fact sheet and a copy of 'More About Jamboree-on-the-Air' (available by writing to Jamboree-on-the-Air, International Division, at address below) with the amateur radio operator or amateur radio club that will assist you.

No reports in the form of logs are necessary. This is not a contest. Exchanges should be relaxed and relate to Scouting and amateur radio as much as possible. Brief reports, however, are appreciated and requested. (See the sample provided with this fact sheet.) Include your Scouting unit number, council name and number, amateur radio call used, calls heard/ worked, number of participants, interesting incidents and exchanges, etc. Photos with captions are especially welcome for the BSA report to the World Bureau. Send reports and photos to the JOTA coordinator at the BSA national office address shown below.

## CERTIFICATE CARDS

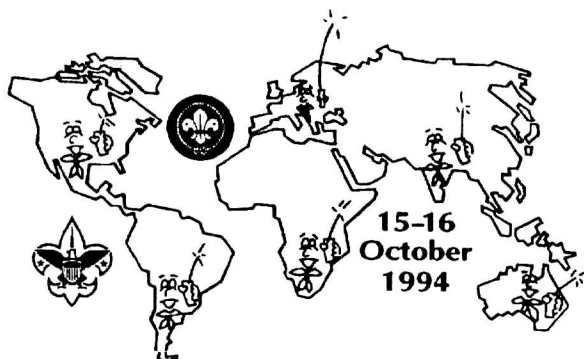
Postcard-size certificates are free and are available to anyone participating in any way. They may be ordered beforehand for presentation during JOTA, or they may be awarded at Scouting or amateur radio club meetings later. Send requests to: Jamboree-on-the-Air Certificate Cards, S221, 1325 West Walnut Hill Lane, P.O. Box 152079, Irving, TX 75015-2079, with a self-addressed and STAMPED envelope large enough to hold the cards ordered. All orders must be received by December 31 of the year for

# THE W 3 T K Q REPORT

A few weeks ago, while visiting W3TKQ, I received a phone call from Marvin Arkans, an international director for the Boy Scouts of America. He asked if we could help out the local Scout groups by participating in the Jamboree-on-the-Air (JOTA). After conferring with my fellow 'TKQ coordinators, I let Marvin know we would be glad to help out. The following describes what JOTA is all about. If you wish to help out in any way please contact N3FVI, WU3I or me.

—Ed Masarsky. KB3IV

## 37th Jamboree-on-the-Air



SPONSORED BY THE WORLD ORGANIZATION OF THE SCOUT MOVEMENT  
OCTOBER 15-16, 1994

### WHAT IT IS

Jamboree-on-the-Air, or JOTA, is an annual Scouting/amateur radio event sponsored by the World Bureau of the World Organization of the Scout Movement. It is always held during the third full weekend of October.

Thousands of stations around the globe participate. If propagation is right, it is common to contact a hundred Scouting countries during the weekend. In 1993, Scouts in some areas of the world contacted emerging Scout organizations in Poland, Romania, Slovenia, and the Ukraine.

Arrange for your den or patrol to visit a local amateur's ham shack during JOTA. In the United States of America, many Boy Scouts of America councils and districts hold camporees to coincide with JOTA, where amateurs set up field-day type operations, giving campers a chance to exchange greetings with Scouts everywhere.

Generally, the exchanges include typical information: name, location (QTH), Scout rank, hobbies, etc. Some exchanges lead to long-

## 111<sup>TH</sup> MONTHLY VE SESSION STATISTICS JULY

17 candidates passed 14 elements  
3 new amateurs plus 6 upgrades

VE team members:

**Dusty Rhoads, ND3Q, Chairman**

Russ Stafford, AA3CH; Bob Wilcox, KE3CZ; Len Hughes, AA3EQ;  
George Starks, AA2FU; Steve Hoch, WU3I; Frenchy Andrews, W3IRS;  
Wally Newell, K3JJO; Joel Kleinguenther, KA3SWU

AMATEUR LICENSE EXAMS HELD ON THE FIRST  
NON-HOLIDAY THURSDAY OF EVERY MONTH  
Registration begins at 6:00 PM

Doors close at 6:30 PM sharp

**THE FRANKLIN INSTITUTE  
SCIENCE MUSEUM**

For Information Call ND3Q at  
(215) 482-0386 or 879-0505  
Accessible by the handicapped.



the sum of the discussion was that KB3IV and WU3I would look into the approval of The Institute for any antenna work. WU3I reported working on the dipoles, and KB3IV reported that the TS-450 was back with a minor price tag for the repairs done.

At 10:16 a motion to adjourn was made by WU3I, seconded by W-3-S-T-W, and when they both discovered they were the only ones remaining outside on the deck, came inside for some treats...

Due to the volume of timely Paddlerama and Field Day information this month, the second part of the article **A Model for Change in the Amateur Radio Licensing Procedure** by Winston Sweeney, VE3WFS, will be presented in next month's issue.





# Phil-Mont Phield Daze

*1981—How not to run an event*

Don Gordon, WB3KOJ

## FIELD DAY "PMRC STYLE"

"Once a year, hams across the U.S. and Canada pack up their portable and emergency gear and head for the field (or a mountain top), set up stations and try to contact as many other similar groups as possible over a 27-hour period... Field Day is an emergency preparedness exercise that encourages maintenance of portable communications, and development of operating skills under difficult conditions." (June '81 QST)

That's the official way to do it, not the Phil-Mont way!

Many clubs work on FD preparations for months in advance, then spend countless man hours on FD erecting tents, towers and antennas; braving heat, wind, rain and bugs, getting their station ready for the year's biggest amateur event.

### Not Phil-Mont!

Late Saturday afternoon, June 27, the advance FD party, led by N3ADI and WB3KAC, made the trek to the second floor of The Franklin Institute. Their gear included all of the vital elements necessary for the operation of a Class 'D' station... pepper, sausage and egg hoagies, pretzels, beer, soda, comfortable chairs, cots... and even a couple of HTs. At 2100Z, W3TKQ went on the air.

For the next 24 hours, under the guidance of W3PWG, a most gracious host, Phil-Monters manned the tired Collins and Heath rigs, doing their best to make as many contacts as possible.

While the official results will not appear for several months, it is safe to report that we didn't win! Total club points, a fantastic 636! Many of these were the direct result of WB3CMM's ending the frustrations of lost contacts, on 40 and 80 meters, by replacing the Heath rig with his solid state Yaesu.

Winning this exercise was not the goal. Each of the hams that took his turn at the console, gained operating experience, and helped increase recognition for the club station.

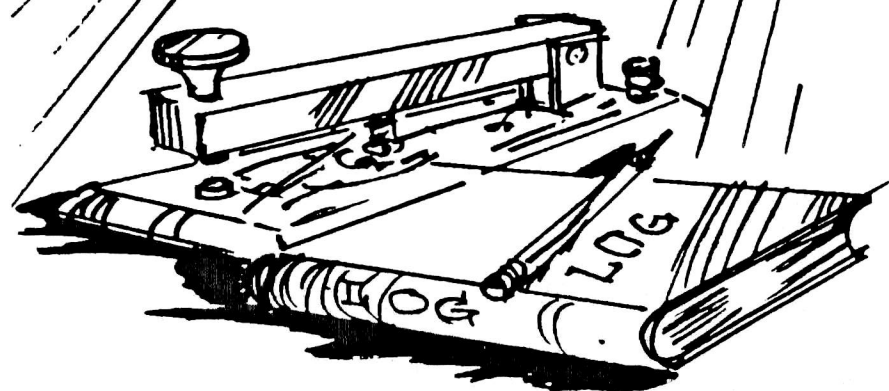
In addition to those already mentioned, who were on hand for the entire time, the following members and guests played and enjoyed their part in the exercise: KB3CT, N3ALW, WB3KAB, WB3CMM, WB3HYB, K8VIP, AF3F, AB3N, W3UY, W3GIF, W3SGR, W3AWH, AK2•, W3LKI, W3IRS (world's neatest log keeper), K3PHC and WB3KOJ.

Plans are already being made to do it again next year. Hopefully all of those who participated this year, and many additional members, will come out and join Phil-Mont's Comfortable 1982 Field Day. ☺

August 1981 *Blurb*

PHIL-MONT

*Silent  
Key*



Fredwood Shaw, W3ADV  
Anthony DiBenedetto, K3GYK



## THE CANOE CHASE - DE THE NORTHERN REPORTER (NP)

OTHERWISE KNOWN AS PADDLERAMA. 17 BOATS. BOY ITS GOT A LONG HISTORY - BACK IN THE EARLY '60s - 1962 SO SAID BOB STRAINGER (SP?). HE IS ONE OF THE ORIGINALS INTERVIEWED AT THE BIG CHASE. PMRC GOT STARTED IN THE EARLY '70S - SO MANY YEARS THIS REPORTER LOST COUNT HAVING DONE IT ABOUT 15 YEARS BEFORE IT SUFFERED THE CASUALTY OF THE BABY BOOM BUST. WE WERE DOING IT WITH 36 BOATS- IT GOT DOWN TO 6 BOATS IN 88 AND WE BOWED OUT IN 89. BOB HAD HIS FINGER THE BOOM BUST NUMBERS OF THE CANOES AND NOW IS WELL PLEASED TO STAND BY AND WATCH WITH HIS RELATIONS RUNNING THE SHOW, WITH OTHERS, AND HIS GRANDDAUGHTER IN ONE OF THE BOATS NEXT YEAR. FANTASTIC- NOW INTO 3 GENERATIONS! ROGER MILTON - ONE OF THE LEADERS FROM A LOWER COUNTY TROOP SAID HE WAS AT 4 SCOUTS IN HIS TROOP 4 YEARS AGO AND NOW HE IS UP TO 50 AND GOING UP UP ALL DUE TO THE BABY BOOM COMING OF AGE. THE GIRL SCOUTS HAD 2 CANOES THIS YEAR. BOONS BUNNIES ARE LEGEND WITH ONE OF THE PARENTS PASSING. THE GALS ALWAYS CHARGED UP THE BOYS. THE MESSAGE COMING THRU IS THAT THE NEXT YEARS WILL PROBABLY TOP ALL PREVIOUS NUMBERS OF BOATS SO WE SHOULD PLAN ACCORDINGLY. THANKS TO OUR FEARLESS LEADER IV FOR ENCOURAGING BOTH PADDLE AND FIELD DAY AND IT LOOKS LIKE ALL WENT WELL FOR BOTH. PADDLERAMA WAS LED BY CHAIRMAN STEVE AND IT SURE WENT WELL WITH THE GOOD FOOD AND EXCELLENT ORGANIZATION. THIS REPORTER COULD NEVER HAVE DONE IT. JACK AND GINNY WERE TOPS ON THE SCENE ORGANIZERS ALONG WITH N3KGG -DAVE, TOM WHO FILLED IN THE LAST MINUTE CHANGES AND DID A GREAT JOB. PERRY WAS HOLDING DOWN SOME OF THE GATES. PAUL N3PSO WAS SCHEDULED AT LOCK 21. STEVE AND JOANN COOKED THE TWO MEALS. WB3BPI -BRAD- FEARLESS LEADER OF THE SWEEP CANOE AND THE CANNODELERS, WB3JOU-DAVE CAME FROM UP STATE, AND BRUCE WB3AYA CAME FROM PITTSBURGH, HAD A BALL AND IN FACT BRAD'S HARMONIC DREW TOOK ONE OF THE LEGS IN THE CANOE. THE FOURTH SWEEPER ROD WILL BE MOVING CLOSER NEXT YEAR - WHICH WILL ROUND OUT THE ORIGINAL FOUR MUSKETELS. DREW - AT 6 YEARS OLD-THE RAPIDS GOT HIM A BIT SHOOK BUT HE WANTS TO DO IT NEXT YEAR WITH DAD. THE DINNER SAT NITE WAS GREAT WITH BLARNEY SPREAD SO THICK DAVE COULDN'T GET A WORK IN EDGEWISE. HAD A CHANCE TO CHAT WITH DAVE AT BELVIDERE BRIDGE. DAVE IS ENGAGED TO STEPHANIE N3POJ WHO IS ENTERING HER FIRST YEAR AT PENN IN VETERINARY SCIENCE. THEY WILL BOTH BE RETIRED BEFORE THEY GET MARRIED. NP WILL HAVE TO SIGN HER UP TO "PRACTICE" ON OUR GROUP OF 25 YEAR OLD FLEA BAG NAGS - OF COURSE THE FEE CAN'T BE ANY MORE THAN \$11.00. STEVE AND JO HAD A GREAT DINNER AND THOSE WHO MISSED IT -TOUGH-JACK AND GINNEY WERE IN RARE FORM AND KEPT THE RADIO REPORTERS RIGHT ON THE BALL. THEIR ENERGY AND FUN ARE INFECTIOUS AS YOU WELL KNOW FROM A BUNCH OF YEARS OF OUTSTANDING BLURB MANAGEMENT. SURE HOPED MIKE KAC WOULD ATTEND AND CRM HAD A CAR CASUALTY IN THE FAMILY AND HAD TO DROP OUT BUT THE BACKUPS TOM AND DAVE WERE GREAT. FIELD DAY IS GREAT BUT PADDLE DE RAMA IS GREATER. STEVE HAD HIS BIG CAMPER ALL SET UP AT EVERGREEN PARK - THE FOOD GREAT - THE COMPANY GREAT -THE BLARNEY OVERWHELMING AND NP SAW NO DAQUIRIES AROUND SHAME. THIS DARN SPELL CHECKER HAS RUINED ALL GOOD REPORTING-THE REPEATERS REPLACED THE COM TRUCK AND ALSO GREAT THANKS TO THE MUCH COURTESY DISPLAYED BY THE REPEATER MANagements WELL BRIEFED IN ADVANCE BY STEVE. WE TOOK THEM OVER DURING THE RACE TIME AND THEY WERE VERY GRACIOUS. WE OWE THEM A BUCKET OF THANKS. YOU WILL NO DOUBT HEAR MUCH MORE FROM THE REST OF THE GANG - SO STAND BY. WELL THE SOUTHERN REPORTER IS GOING TO HAVE TO GO SOME TO TOP THIS. HOW ABOUT IT GIL? SURE GLAD TO SEE OL BUDDY AA BACK AT HOME.

## Phil-Mont Field Days

## 1994—The proper way to run an event

Don Gordon, WB3KOJ

## IF PHIL-MONT GOES TO WAR!

In the unlikely event PMRC ever goes to war, I would like to see the club led into battle by N3IEI, Chris Brady. The logistics, deployment of troops, battle plan, utilization of resources, and expert coordination of the Phil-Mont/TAG Field Day effort was a perfect ten.

I arrived Sunday morning (in time for lunch), and was instantly impressed by both the location and physical setup of the operation. The 'battlefield' was well organized. Each 'gun emplacement' was manned by an operator and logger. The latest in ham gear was being used, including laptop computers. Antennas of every type, including a three element tri-bander, were neatly erected. Saturday's scores were impressive, and the 'General' had the situation well in hand.

My original plan was to put in a cameo appearance (enough time to earn a ham-

burger), and flee the scene. However, I stayed until the two o'clock contest close (which came all too soon), and helped with the well-orchestrated breakdown and clean-up. By 3 p.m., when I left the site, things were just about as I imagined they had been before Saturday's invasion.

Thanks to Chris and his committee for reminding me that Field Day can be fun. The last P.M.R.C. Field Day, 1981, was 'staged' at W3TKQ, with wholesome, wonderful, cholesterol laden, pepper and egg sandwiches furnished by the late N3ADI, and fun and nonsense provided by the 'Dirty Dozen'.

I sincerely hope Chris will again lead the club 'into battle' next year. It would be wonderful if many more club members, especially the younger ones (and maybe W3BBB, whose high speed CW operation would add hundreds of points to our score) choose to soldier under Phil-Mont's 'Field Marshal'. ☺

## Time marches on

If the name VIC-20 means anything to you, then you may have been on RTTY in the mid-1980s, when this small, low-priced, limited-feature computer, from West Chester, PA company Commodore, was very popular among hams. It was followed by the C-64, also popular among digital ops.

The little Commodores sank in popularity when inexpensive IBM clones put powerful computers within the price-range of even the most tight-fisted ham.

Commodore finally went out of business at the end of April, after years of financial troubles.

Mid-Atlantic ARC's "REMARCS"

## What a Blast!

### The Official Paddlerama Report Steve Hoch, WU3I

*17 canoes, with even more expected next year!*

Well it's all over for this year. Paddlerama came back after a 6-year drought with 17 canoes, and the gang was all there.

Friday night the camp was set in Bath, PA, and Dave-N3KGG bravely 'paddled' up 309-N to the campground through the storm, and joined Joann-N3FTC and me. Saturday came up hazy, and showed some sprinkles, but cleared up, and the race was off at 11:00 (or there about). Jinny-W3IIN rode with the timekeepers, and all data were sent to her mobile. After a late arrival by the sweep canoe guys (WB3BPI, WB3AYA, WB3JOU), they hit the water and were on their way. Tom-WA3KLR was at the first gates, and reported his data, and the canoes were off to the Buckwood Inn relay changeover and Ed-KB3IV.

After confirming all canoes plus the sweep canoe through that location, Ed headed for Roxborough and Field Day. Next was Belvidere Bridge and Dave-N3KGG after which the scouts enter Foul Rift rapids, and are lost to view until they exit. W3IIM was waiting at the exit of Foul Rift, and tallied the safe passage of all.

Next up was N3AXJ at the last gates, and W3IIN at the finish line. All was not as it seemed though a squall line was approaching west to east. KB3IV reported it as he drove south to the city, and I encountered it as I passed through Nazareth, on the way back to camp. The gang at the finish

line got soaked or retreated to their cars during the brief downpour.

After the day's fun, all repaired to the campground for drinks and finally dinner.

Thanks to Tom-WA3KLR for the home-made cornbread and shoo-fly pie. We did some operating on the HF bands, and talked to the guys in Roxborough at Field Day.

Sunday came up clear and sunny, and the race started at 9:00 (or thereabouts). Jinny was with the timekeepers again, and the sweep canoe was launched. The first changeover was at Lock 21 near Rieglesville. Jack handled this, and then headed for the Upper Black Eddy bridge, 7 miles down river. Meanwhile, Dave was on the Frenchtown Bridge, another six miles away. As there were no gates the second day, all were observation points to insure safe passage.

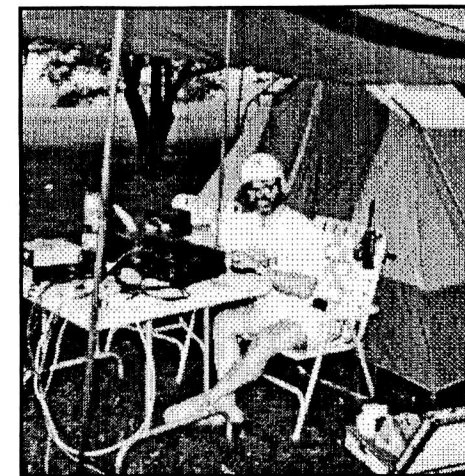
The finish line was at Tinicum Park on River Road (Rt 32).

Thanks to all who participated including; KB3IV, W3IIM, W3IIN W3PXY, N3KGG, N3AXJ, WB3BPI, WB3JOU, WB3AYA and WA3KLR. Special thanks to the trustees and owners of the Washington NJ repeater-146.82, the Frenchtown repeater-146.85 and the gang in Easton at W3OK-146.700 and 145.11 for the use of their machines.

If you have the time, and want to participate, join us next year. You just can't have this much fun with your clothes on anywhere. ☺



*Chefs WU3I and N3FTC*



*KB3IV with all the comforts of home.*



*K3EUI: "CQ Field Day!"*



*Changeover at Lock-21*



*Hi-Ho, Hi-Ho, it's off to row we go!*



*W3RM & N3DHI, our high-speed CW station.*

went home in the same condition that it arrived. Very rough scores approached 1,400 contacts, and several hundred bonus points for packet, satellite, media coverage, and for holding the event in a "public" location. The fall edition of *QST* will have the actual score as compared to other 9A stations. As of this writing, I have not yet received our actual numbers, and the lemonade-soaked computer holds a few more, once the data is retrieved.

Now, if you're home reading this, and thinking "I should have gone...", well, you should have! My wife Lisa—KA3VIL, promised me she would stop by and help with some cooking. Well, she did, and she returned two additional times, because she thought the whole thing was pretty neat. So next year—she points out—we're going to need some more help. If we can organize our effort to the point where we have enough people to form shifts, there's no question we'll come out on the top of the category, and have even more fun than we did this year.

Talk it up. Even Don—WB3KOJ, made an early Sunday appearance to operate 15 meters!

Special thanks go out to the following for making Field Day '94 such a success: Barry—K3EUI, Bob—N2OML, Conway—N2JWQ, Dick—W3RM, Don—WB3KOJ, Ed—KB3IV, George—AA2FU, Jack—W3IIM (for the laptops) [he didn't tell me about the lemonade!—ed], W3BBB—(for the callsign), Wally—K3JJO, Tom—N3NRW (for the press), Rick—N3DHI, Carol—N3PVO (for baby-sitting Don in the morning), Paul—N3GMH, Josh—N3NLR, Bill—N3FVI, Fred—KA3TLE, Bill—KA3ZHB, and all the guys from the Tri-County Amateur Group that helped in so many ways.

See you next Field Day! ☺

## Goschenhoppen Historians' 28th Annual

# Authentic Pennsylvania Dutch FOLK FESTIVAL

Friday & Saturday  
Aug. 12 & 13, 1994

NEW! Goschenhoppen Park  
EAST GREENVILLE, PA.  
Rt. 29, Montgomery County

— Foods — Crafts —

STAGE PROGRAMS

FRIDAY  
12 To 8

SATURDAY  
10 To 6

Donation — \$5.00 adults, 12 and under free.

Donation for Parking.

Call  
1-800-32-NEW-HAM  
for free information for  
prospective hams

## Whew, What a Weekend! The Official Field Day Report

Chris Brady, N3IEI

*PHIL-MONT Field Day 1994 was a real success.*

The troops began to assemble at the KYW-TV transmitter site around 9 a.m. on Saturday, the 25th. It was like an aluminum caravan! One vehicle after another worked its way off Ridge Avenue into the "woods." TA-33s, rotors, makeshift towers and yagis hung from the roofs as the cars funneled into the field at the end of Culp Street. Before Bob Ross—N2OML and I got the gates unlocked, tents and campers were already being set. Field Day had begun!

The location was previously visited by a field-contingent, so the locations of the various stations were predetermined. Everyone knew the game plan; which was to get started, have fun, and maybe even WIN a category. After some dipoles were hung and the beam antennas were aimed, we broke for a team meeting around 1:30, just 30 minutes before the start of the contest.

It was determined that we would get "real" gutsy and operate 9A, running a maximum of 9 transmitters at the same time with generator power. This put us into a category where the competition was a bit thinner, however, much more aggressive. In fact, several stations that were worked asked how we got so many operators!

Two o'clock approached. 160 meters was weak at first, not really picking up until late in the afternoon. The 75/80 meter station was like hell-on-fire! These guys couldn't stop making contacts. 40 meters was run by the "media-brothers," Dick Moll—W3RM and Rick Spencer—N3DHI. CW was their specialty. In fact, their efforts

helped them grace one of the pages in the Inquirer's Metro section. 20 and 15 meters both boasted TA-33 three-element beams, and had real nice showings. 10 was supported by a 3-element yagi as well. RFI was virtually nonexistent, causing interference only on ATV and the 10-meter novice station, operated by Barry "CQ Field Day" Feierman—K3EUI. Six-meters made some nice contacts into the Midwest with only a mobile antenna. Several contacts were made on satellite, packet, 220 FM, 440 FM and 2-meter sideband.

Even the skies cooperated on Field Day weekend. With just a "spritz" of drizzle around noon on Saturday, the clouds moved out! The temperatures cooled, and the sun popped his head out. Everything was PERFECT.

After we operated for a few hours, Dennis—N3KRE, from the TAG club that was helping us on field day, fired the grill with the help of his daughter, Danielle. Burgers and "dogs" went real fast. Looks like next year we should set-up next to a McDonalds!

Facilities at the site proved to be pretty comfortable. With an air conditioned building housing the television station's transmitter, we were able to take a "cool" break to watch ourselves on the 6 p.m. news. A working toilet and stall shower made the weekend even more enjoyable.

To the best of my knowledge, we only lost a laptop computer to a lemonade invasion. That pesky drink! All the other equipment worked flawlessly, and I hope it all



1994

AUGUST

1994

| SUNDAY                                                                                        | MONDAY | TUESDAY                                                      | WEDNESDAY                                                                                                            | THURSDAY                                                                                                                       | FRIDAY                                                            | SATURDAY |
|-----------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------|
|              | 1      | 2<br>CODE PRACTICE<br>NET<br><i>Resumes in<br/>September</i> | 3<br>GENERAL MEETING<br>at<br>The Franklin Institute<br>Refreshments at 7:00 p.m.<br>Meeting starts after 7:30       | 4<br>LICENSE EXAMS<br>at<br>The Franklin Institute<br>Registration begins at 6:00<br>Doors close at 6:30 p.m.<br><i>sharp!</i> | 5                                                                 | 6        |
| 7<br>2M NCS N3KGG<br>10M NCS W3HFY<br>75M NCS W3PWG<br><br><i>MARC Hamfest</i>                | 8      | 9                                                            | 10<br><br><br><i>Herbert Hoover 1874</i>                                                                             | 11<br><br><div>Perseid Meteor Shower</div>                                                                                     | 12<br><br><div>Goschenhopp Pennsylvania Dutch Folk Festival</div> | 13       |
| 14<br>2M NCS KB3ERL<br>10M NCS W3HFY<br>75M NCS AA3CH<br><i>VJ Day 1945<br/>DLARC Hamfest</i> | 15     | 16                                                           | 17<br>DIRECTORS'<br>MEETING at<br>W3IIM&N's                                                                          | 18                                                                                                                             | 19<br><br><i>Bill Clinton 1946</i>                                | 20       |
| 21<br>2M NCS KB3IV<br>10M NCS W3HFY<br>75M NCS AA2FU                                          | 22     | 23                                                           | 24                                                                                                                   | 25                                                                                                                             | 26<br><br><i>Woman's Suffrage 1920</i>                            | 27       |
| 28<br>2M NCS N3FTY<br>10M NCS W3HFY<br>75M NCS KB3IV<br><i>Gloucester County<br/>Hamfest</i>  | 29     | 30                                                           | 31<br><br>OPERATORS' NET at 8 PM |                                                                                                                                | If you're in the hole,<br>stop digging.                           |          |